

WHAT IS CLAIMED IS:

1. A container system for shipping and storing an item, the container system comprising:

5 a first container comprising:

a storage vessel with an interior compartment, and an access opening at one end;

10 a removable end cap releasably and mechanically coupled to the storage vessel and operable to close the access opening;

at least one mechanical fastener secured to the storage vessel and removable end cap forming the releasable mechanical connection; and

15 a first stacking lug disposed upon the perimeter of the storage vessel.

2. The container system of Claim 1, wherein the container further comprises at least one additional stacking lug.

20 3. The container system of Claim 1, wherein the storage vessel is formed from extruded, high-density polyethylene.

25 4. The container system of Claim 1, wherein the stacking lug is formed from rotationally molded, cross-linked, high density polyethylene.

30 5. The container system of Claim 1, further comprising a manual pressure relief valve operable to create a path of fluid communication between the interior compartment and ambient environment.

6. The container system of Claim 1, wherein the first stacking lug comprises:

a housing with an opening disposed therethrough, the housing having a first top face and a first bottom face  
5 opposite the first top face; and

a first protrusion on the first top face of the housing.

7. The container system of Claim 6 further comprising:

a second container comprising:

a second stacking lug having a second top face and a second bottom face opposite the second top face;  
and

a cavity on the second bottom face adapted to receive the first protrusion to form a releasable friction fit between the first protrusion and the cavity when the second container is placed on top of the first container.

8. The container system of Claim 6, further comprising:

a second container comprising a second stacking lug, the second stacking lug comprising:

a second top face; and

a second bottom face opposite the second top face;

the second container placed on top of the first container such that the first top face and the second bottom face are in contact with one another and force from the weight of the second container is transferred to the first stacking lug.

9. The container system of Claim 1, wherein the storage vessel and removable end cap are operable to form a pressure vessel.

5           10. The container system of Claim 1, wherein the interior compartment is adapted to receive a round of ammunition therein.

11. A weapon system comprising:  
a pressure vessel having an interior compartment;  
and  
a round of ammunition disposed within the interior  
5 compartment of the pressure vessel.
12. The weapon system of Claim 11, wherein the  
pressure vessel comprises:  
an elongate storage vessel having an access opening;  
10 and  
a removable end cap releasably and mechanically  
coupled to the storage vessel and operable to close the  
access opening.
13. The weapon system of Claim 11, further  
15 comprising a manual pressure relief valve operable to  
create a path of fluid communication between the interior  
compartment and ambient environment.
14. The weapon system of Claim 11, further  
20 comprising a humidity indicator in communication with the  
interior compartment.

15. A method for transporting or storing an item,  
the method comprising:

providing a container comprising:

a storage vessel with an interior compartment,  
and an access opening therein;

a removable end cap releasably and mechanically  
coupled to the storage vessel at the access opening,  
fully enclosing the access opening;

at least one mechanical fastener secured to the  
storage vessel and removable end cap forming the  
releasable mechanical connection; and

a first stacking lug disposed upon the  
perimeter of the storage vessel;

inserting the item into the container;

sealing the container; and

maintaining the item in the container during  
transportation or storage of the item.

16. The method of Claim 15, wherein the storage  
vessel and removable end cap are operable to form a  
pressure vessel.

17. The method of Claim 15, wherein the container  
is adapted to receive a round of ammunition therein.

18. A method for transporting or storing a round of ammunition, the method comprising:

providing a pressure vessel with an interior compartment;

5 inserting a round of ammunition into the interior compartment;

sealing the pressure vessel; and

maintaining the round of ammunition in the interior compartment during transportation or storage of the round  
10 of ammunition.

19. The method of Claim 18, wherein the pressure vessel further comprises a manual pressure relief valve operable to create a path of fluid communication between  
15 the interior compartment and ambient environment.

20. The method of Claim 18, wherein the pressure vessel further comprises a humidity indicator in communication with the interior compartment.

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